PORTABLE

MULTIMEDIA PLAYER

USER MANUAL

PMP3522

Coby Electronics Corp.

You can enjoy videos, music or pictures anytime and anywhere with the PMP3522.

Please read this User's Manual carefully before using the player.

http://www.cobyusa.com

If you need assistance with this product, please contact technical support.

1-800-681-2629 or 718-416-3197

Monday-Friday 8:00 AM - 11:00 PM EST

Saturday and Sunday 9:00 AM - 11:00 PM EST

You can also reach by e-mail at techsupport@cobyusa.com

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Before using the player

1. Preparations before getting started

1) Read these instructions carefully.

2) Keep these instructions for future reference.

3) Heed all warnings.

4) Follow all instructions.

5) Do not expose to water or moisture.

6) Clean only with a dry cloth.

7) Keep objects away from ventilation openings. Do not block any ventilation openings at any time.

8) Do not install near any heat sources such as stoves, radiators, amplifiers or any apparatus that produce heat.

9) Do not force the power plug in the wall outlet. A polarized plug has two blades with one wider than the other. The wide blade is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

10) Place the power cord so that it is protected from being walked on, pinched by objects, torn and exposed to liquids, especially at plugs, convenience receptacles, and the point where they exit from the product.

11) Only use attachments/accessories specified by the manufacturer. Use of attachments/accessories not recommended by the product manufacturer may cause hazards.

12) Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip –over.

13) Unplug this apparatus during lightning storms or when unused for long periods of time.

14) Do not use this apparatus near water, and do not objects filled with liquids, such as vases, on the apparatus.

15) Refer all servicing to authorized service personnel.

1. Cautions when using the player

This player is a mass storage USB drive that requires careful use.

Please follow the instructions below for more convenient and stable use:

1) Because the player is a mass storage USB drive, it is not expected to permanently and stably carry data in it. Accordingly, important data needs to be backed up separately.

2) Do not put the player in or around a magnetic field. In particular, you must not use a magnetic holder.

3) It is recommended that the player be recharged at a normal operating temperature. Do not recharge the unit in high temperature conditions (ex, in a parked car in the summer).

4) Do not shock the player when in use. It is recommended that you do not use the player while exercising.

5) Connect the AC Adapter to the player when defragmenting or formating (FAT32) the disk.

6) Keep the player away from the direct rays of the sun or a heating source. Don't leave it exposed to a condition with high temperature (ex, in a parked car in the summer).

7) Do not expose the player to a high-moisture environment because such a condition may result in malfunction.

8) The indoor temperature of a vehicle in the summer may become more than 140°F. Be careful not to leave the player in such a condition for a long time (normal operating temperature: 41°F - 113°F).

9) When using a DC adapter for vehicles, connect it after having started your car. Disconnect it when you stop the car.

10) Do not wipe the player with alcohol, benzene, thinners or other chemical solvents, since they may damage the player.

11) If you want to use the player for a long time, it is recommended to remove the battery and connect the AC adapter.

12) Continuous use of earphones may cause hearing impairment.

13) Be careful when connecting the AC adapter to the power supply.

14) Do not use the player while driving.

15) Do not disassemble, repair or attempt to modify the player without professional help.

2. Components

The components of the player are subject to change without notice for quality improvements.

PMP3522

- Earphones
- USB cable
- USB host cable
- AC Adapter
- Battery
- Hand strap
- CD
- User's Manual
- Quick Guide (leaflet)
- TV composite cable (CVBS cable)
- Audio cable
- S-video cable
- Wireless remote control
- LCD cleaner
- Pouch

3. Minimum requirements for the PC

To connect the player to the PC, it must meet the following minimum requirements:

1) CPU: Pentium III 500MHz or higher / Macintosh iMac G3 or higher
2) OS: Windows 98SE/ME/2000/XP, or Mac OS 9.1 or higher
3) CD-ROM drive
4) Color monitor (SVGA or higher)
5) 128MB RAM
6) USB port (USB 2.0 recommended)
7) Hard disk with more than 1GB free space

※There may be some connection problems to a PC that doesn't meet the minimum requirements above.

2. Name of parts

1. Top / front

1) Power / Hold: Turn the player off/on, or to lock it.

2) TFT LCD: Control the player using its touch screen.

3) Speaker: Enjoy sound from the monophonic speaker instead of earphones.

4) Infrared sensor/LED: The player is equipped with an infrared sensor for the remote control.
The blue LED be on as the player is booting up and when the AC adapter is powering the unit.

5) Joystick: When using the player without the stylus, push the joystick up/down or to the left/right to select a menu icon, item or file and then press the joystick to enter or open it.

6) Tab button: When using the player without the stylus, use the tab button to switch to a different part of the screen.

7) Microphone: The built-in microphone is used for voice recording.

8) Enter button: Use the enter button to execute an action when you select an icon, item or file without the stylus.

2. Left / right

1) Earphone jack: Connect the earphones to this standard earphone jack with a 3.5mm diameter.

2) Expansion jack: This jack currently has no use.

3) S-Video out jack: If you want to enjoy high quality video, it is recommended that you use the S-Video out jack to connect to a TV that supports S-Video.

4) RESET: Reboot the player by clicking RESET with the stylus.
(Uncover the rubber cap on the player to see the RESET button).

5) TV-OUT jack: Enjoy video on a TV by connecting the TV-OUT jack to the TV Video-in with the supplied cable.

6) Volume: Use these buttons to adjust the volume (0 - 40).

7) Hand strap ring: Hook the hand strap in the hand strap ring if desired.

8) USB port: Connect the supplied USB cable to connect to a PC, or connect the supplied USB host cable to connect to another external source (ex. digital camera).

9) DC adapter jack: Connect the AC adapter for power/recharging.

3. Back / bottom

1) Stand hole: Insert the stylus into the stand hole to create a stand.

You can also adjust the angle by changing the length of the stylus.

2) Battery: Detachable lithium polymer.

3) Battery release button: Release the battery by pressing the battery release button.

4) Stylus: Use the stylus by “clicking” the touch screen.

3. Power on / off

1. HOLD

When HOLD is switched on, all of the functions are locked.

2. Power on

1) Push the power switch to the left and hold for over 2 seconds. The player will turn on and the version of the player will be displayed.

2) The main menu screen will appear.

3. Power off

1) Push the power switch to the left and hold for over 3 seconds. The player will turn off.

< Note >

. If the player fails to work, press RESET to reboot it. The RESET button is located in between the S-Video jack and the TV-OUT jack.

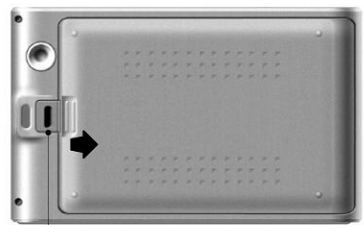
. It is recommended to exit the current program before turning the player off.

4. Battery

1. Connecting / Disconnecting the battery

1) After pressing the battery release button, push the battery away in the direction of the arrow to disconnect the battery (see figure below).

2) After fitting the battery in for connecting, push it in so that it snaps into the player.



※ Caution : Turn the player off before removing the battery from it.

Battery release button

2. Recharging the battery

1) Connect the AC adapter to DC adapter jack of the player.

2) Plug the adapter in a power supply, and you will see a blue light turn on.

3) While the player is recharging, the LED will flash. Once charging is complete, the LED will stop flashing.

3. Battery charge

1) In the upper right corner of the screen, there is a battery charge indicator.

2) If you continue to use the player when the battery charge is too low, it will automatically turn off.

< Note >

. When the battery has been fully discharged, it is recommended to recharge it for at least an hour before turning the player on again.

. When a message appears stating that the battery charge is low, immediately recharge it. Continuous use of a fully discharged battery may cause damage to the player.

4. Cautions when using the battery

The battery is a lithium polymer battery (2700 mAh/3.7 V).

Its misuse may cause a fire or an emission of high heat. Follow the instructions below:

1) Keep the battery away from a heat source or chemical solvents.

2) Only use the supplied AC Adapter on the player.

3) Never insert the battery into the player if it has been soaked in water.

4) Never set the battery on fire when disposing it.

5) When the battery has been fully discharged, it is recommended to recharge it for at least an hour before turning the player on again.

6) If you want to use the player for a long time, it is recommended to remove the battery and connect the AC adapter.

7) Prior to an initial use of the battery or if a long time has passed since its last use, it is recommended to fully recharge it.

8) A battery has a limited lifetime. For example, lithium polymer batteries can be charged and discharged about 500 times at normal operating conditions.

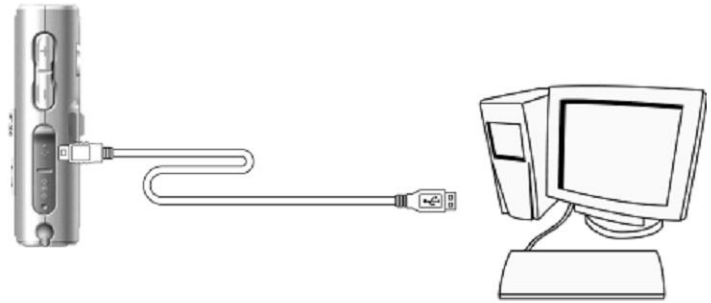
5. Battery duration

	Charging time	Playback time	
		Video	Audio (with the LCD turned off)
Standard	About 4hrs	About 7hrs	About 13hrs

5. How to connect to the PC

1. Connecting the player to the PC

Connect the player to the PC using the supplied USB cable as shown in the figure below.



2. When the operating system (OS) of the PC is Windows ME, 2000 or XP

You do not have to install a separate USB driver for a PC that has Windows ME, 2000 or XP as its OS.

The PC will automatically recognize the player once it is connected.

1) Turn the player on and connect to the PC.

2) On the screen, you will see an icon showing that the player has been successfully connected to the PC.

3. Installing the USB driver for Windows 98SE

If the PC has Windows 98SE as its OS, you should install a separate Windows 98SE driver before connecting it to the PC.

Insert into the CD-ROM drive the supplied CD (Windows 98SE driver included), and then connect it to the PC using the supplied USB cable. Follow the steps below.

Add New Hardware Wizard
This wizard searches for new drivers for:
i-STATION-i2
A device driver is a software program that makes a hardware device work.
< Back
Next >
Cancel

1) Add New Hardware Wizard appears. Click "**Next**".

Add New Hardware Wizard
What do you want Windows to do?
Search for the best driver for your device. (Recommended).
Display a list of all the drivers in a specific location, so you can select the driver you want.
< Back
Next >
Cancel

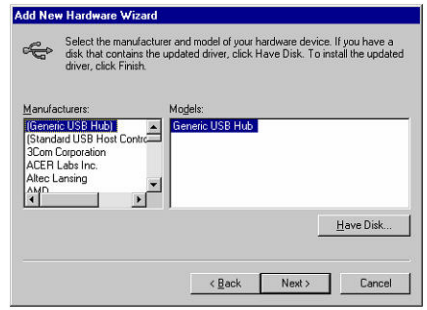
2) Check "Display a list of all the drivers in a specific location, so you can select the driver you want". Click "**Next**".

3) Select "Universal Series Bus controllers". Click "**Next**".

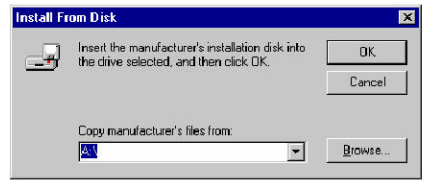
- If the PC can't recognize the player:

  a. Select "Hard Disc Controllers", and then click "**Next**".

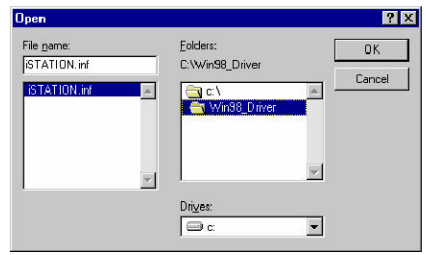
b. Click “Have Disc”.


Add New Hardware Wizard
Select the manufacturer and model of your hardware device. If you have a disk that contains the updated driver, click Have Disk. To install the updated driver, click Finish.
Manufacturers:
(Generic USB Hub)
(Standard USB Host Contro
3Com Corporation
ACER Labs Inc.
Altec Lansing
Models:
Generic USB Hub
Have Disk...
< Back
Next >
Cancel

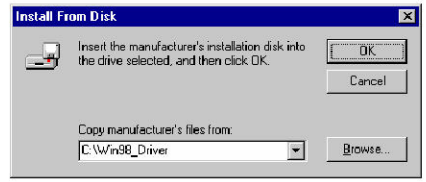
4) Select “General USB Hub”. Click “**Have Disk**”.



5) Click “**Browse**” to select where to search.



6) Select the CD-ROM drive, and click the Win98_Driver folder to select the **iSTATION.inf** file. Click “OK” to continue.



7) Click “OK”.

Add New Hardware Wizard
Select the manufacturer and model of your hardware device. If you have a disk that contains the updated driver, click Have Disk. To install the updated driver, click Finish.
Models:
Portable Multimedia Player Driver (4-28-2005)
Have Disk...
< Back
Next >
Cancel

Add New Hardware Wizard
Windows driver file search for the device:
Portable Multimedia Player Driver
Windows is now ready to install the selected driver for this device. Click Back to select a different driver, or click Next to continue.
Location of driver:
C:\INTELU~1\WIN98_~1\STATION.INF
< Back
Next >
Cancel

8) Click “**Next**”.

9) Click “**Next**”.

Add New Hardware Wizard
Portable Multimedia Player Driver
Windows has finished installing the software you selected that your new hardware device requires.
< Back
Finish
Cancel

10) Click “**Finish**” to finish installing the USB driver

4. Checking if the player has been successfully connected to the PC

If the player has been successfully connected to the PC, you will see a removable disc called “i2” in My Computer.

5. Disconnecting the player from the PC

If you want to disconnect the player from the PC, follow the steps below:

1) Right-click the mouse on the hardware disconnection icon in the task bar tray. “Stop USB Mass Storage Device Drive”, “Unplug or eject hardware” or “Safely remove hardware” will appear. Left-click the mouse on it.

Info:

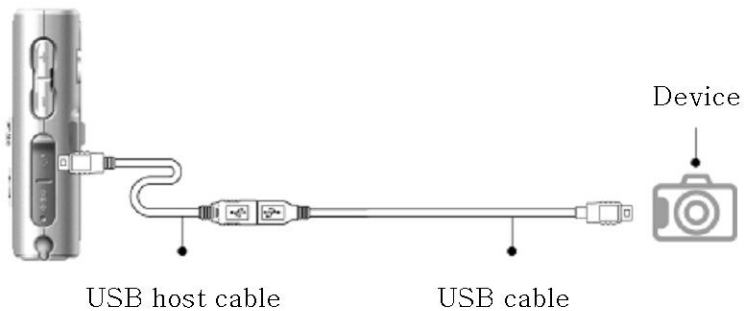
Icons in the task bar tray may have been hidden. Left-click “Show hidden icons”.

6. USB OTG (On-The-Go): connecting other USB drives to the player

You can transfer data to the player by directly connecting other USB devices (ex. digital camera) to it.

Push the power switch to the left and hold for over 2 seconds to turn the player on.

Follow the steps below:



Info:

When using the function of USB OTG (HOST) with a removable HDD, plug the HDD to an external power supply.

7. USB OTG (On-The-Go): transferring data

1) If you have successfully connected the cable as shown above, a window will appear.

2) Click "**Trans, Start**" to transfer data from an external USB drive to the player.

3) After data has been successfully transferred, "**Completed!**" will appear on the screen.

Then, it is safe to disconnect the USB host cable.

Info:

Do not disconnect the USB host cable while data is being transferred to the player.

< Note >

. If data transfer has failed, "**Transmission Error**" will appear on the screen.

Reconnect the USB host cable.

. If there is not enough free space on the player to store data, "**Disk Full**" will appear on the screen.

Retry the data transfer after freeing up some space.

. Transferred data is stored in sequentially created folders that start from "DSK00000".

8. Transfer / store / delete file

1) Connect the player to the PC. Check if the player has been successfully recognized.

2) Use the mouse to select a file/folder (or files/folders by holding shift or Ctrl), and copy (Ctrl -C) or cut (Ctrl -X) the file/folder.

3) Select the "i2" drive, and paste (Ctrl-V)" the file/folder into the desired folder.

4) Use the mouse to select a file/folder, and press "Delete" on the keyboard to delete it.

< Note >

. You can also use the mouse to drag and drop files/folders.

6. Stylus / buttons

1. Using the Stylus

. Click: Use the stylus to click an icon on the display by softly touching it.

. Double-Click: Use the stylus to click an icon on the display by softly touching it twice.

. Drag: Use the stylus to select a point or sliding bar and drag it (like using a mouse on a PC).

< Note >

. The Drag function is used when you use the volume bar, navigation bar, Painter, pan, etc.

2. Standing the player on the stylus

1) Pull out the stylus from the player.

2) Adjust the angle of inclination by changing its length.

3) Stick the stylus in the stand hole on the back, and stand the player on it.

3. Using the buttons

1) Joystick

You can move the joystick up/down or to the left/right.

You can open/select a file, menu item, icon etc. by pressing the joystick.

2) Tab

You can use the tab button to jump to different parts of the screen.

3) Enter

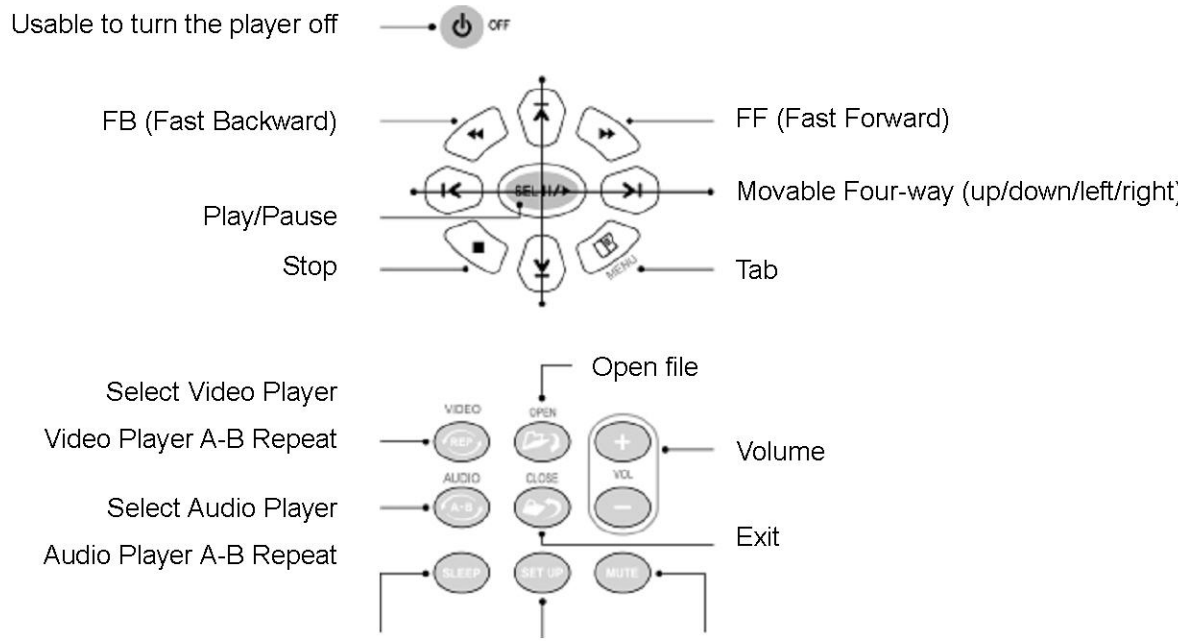
You can use the enter button after to perform an action.

4) Volume

Use the volume buttons to increase or decrease the volume (0 to 40).

7. Remote control

1. Using wireless remote control



< Note >

. The wireless remote control is useful and convenient when the player is connected to the TV.

8. Getting updated

1. Updating BIOS (Update.bin)

1) You can download a new version of the BIOS (update.bin) at our website (www.cobyusa.com).

2) Turn on the player. Ensure that there are at least 3 bars on the battery indicator. If there are less than 3 bars, use the AC Adapter.

3) Connect the player to the PC(see to "Connecting the player to the PC").

4) Copy the downloaded file "update_i2.bin" to the root folder of the player.

5) Disconnect the USB cable from the player after copying the file to the root folder (see "Disconnecting the player from the PC").

6) Turned off for its re-booting.

7) The player will be automatically updated when you turn the player back on. Click the icon ( ) on the upper right of "Settings" to check the version of BIOS.

Info:

. If the name of the downloaded file is changed, the player may not get updated. Never change it.

. After the firmware has been updated, the copied file will automatically be deleted.

2. Updating the firmware

. All programs, system files and other data to work the player are installed in its "system" folder. Deleting them may cause a malfunction. If you accidentally delete them or when you format the player, you should re-install the firmware using the supplied CD.

. The firmware is installed in the "system" folder.

. You can get updated firmware at our website (www.cobyusa.com)

3. Updating the USB chip

1) Download the USB Chip upgrade from our website (www.cobyusa.com).

2) Click in the following order: Settings > Others> Updating USB > Start (

).

3) When the message “Connect USB Drive” appears, connect the player to the PC.

4) Double-click the downloaded file to start the update. When “Update Completed” appears, disconnect the player from the PC.

Using the Player

This section explains how to operate the player using the stylus.

1. Using the video player

1. Open / Play Video File

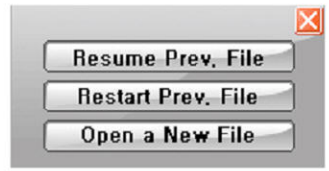
1) Double-click the video player icon.

2) If an introductory pop-up window appears, click one of the options.

. Resume Prev. File: Opens the last video file played from the point at which it was stopped.

. Restart Prev. File: Opens the last video file played from the beginning.

. Open a New File: Open the "Video File Manager".



3) The "Video File Manager" shows the folders in the player and the video files that can be played in the video player.

4) Select a folder in the folder list on the left of the screen to display the video files in that folder.

5) Select a file that you want to play back from the file list on the right of the screen.

6) Click "**Play** ( )" to play back the file.

< Note >

. You can also double-click a file to play it.

. If the video file you last opened has been deleted or damaged, you can only select "Open New File".

. File formats that can be supported in the video player mode: avi, mpeg, mpg, dat, vob, m1v, m2v.

. While you are playing back a video file or have paused it, you cannot open any other video files.
Only after you have stopped it, can you open other video files.

. If you have selected an incompatible file or one with an incorrect extension, "Non Supportable Video Format" will appear, and the player will return to the stop mode.

2. Video player menu screen

Battery indicator

Exit

Open

A-B Repeat

Aspect ratio

Subtitle

File information

Settings

Backward

Play

Stop

Forward

03:05:24:0400:00 Elapsed time/ Total time

Mute

18 Volume indicator

Volume bar

Navigation bar

3. Jump Backward / Forward during the playback

1) Softly touch the screen with the stylus during playback to display the video player control window.

2) Click "**Backward/Forward** (/)" or press the joystick to the left/right to jump about 10 seconds backward or forward.

3) If you do not click anything in the video player control window, it will fade out after a certain amount of time. You can change the time the control window fades out in Settings.

< Note >

. The jump backward/forward function may not work with all files because the timing information of a file may be incomplete or there is no key frame,

4. FB (Fast Backward) / FF (Fast Forward) during playback

1) Click and hold "**Backward/Forward** (/)" or press and hold the joystick to the left/right during playback to fast-backward/fast-forward the player.

2) Click "**Play** ( )" or press the joystick at the place where you want to resume normal playback.

5. Pause during playback

1) Softly touch the display with the stylus during playback to display the video player control window.

2) Click "**Pause** ( )" or press the joystick.

The icon will change to "**Play** ( )" and the video that is being played back is paused.

3) Click "**Play** ( )" or press the joystick. The icon will change to "Pause" and the video will play.

4) If you do not click anything in the video player control window, it will fade out after a certain amount of time.

< Note >

. If "Privacy" in the Video Player Playback Settings has been set to "OK", then the player will show a black screen when the player is paused.

6. Stop / Exit during playback

1) Softly touch the screen with the stylus during playback to display the video player control window.

2) Click "**Stop** ( )" to stop the video.

3) Click "**Exit** ( )" to close the video player mode.

4) Click "**Yes**".

7. A-B Repeat

1) Softly touch the display with the stylus during playback to display the video player control window.

2) Click "**A-B Repeat** ( )" at the place from which you want to repeat the video segment

<A-B Repeat Start> will appear on the upper left, and the icon will changes to "( )" .

3) Click "**A-B Repeat** ( )" at the place where you want to end the repeating video segment, and the A-B Repeat starts.

<A-B Repeat> will appear on the upper left of the screen, and the icon will change to " ( )".

4) Click "**A-B Repeat** ( )" to end the A-B repeat and resume normal playback.

8. Changing the aspect ratio

1) Softly touch the display with the stylus during playback to display the video player control window.

2) Click "**Aspect Ratio** ( )" to change the aspect ratio.

3) Each click will change the aspect ratio.

The order is wide screen (16:9), full screen, 4:3 ratio and orig. ratio (original aspect ratio of the video file).

9. Subtitles On / Off

1) Softly touch the display with the stylus during playback to display the video player control window.

2) Click "**Subtitle** ( )" while playing back a video file with a subtitle file to turn off the subtitles.

Click the icon again to display subtitles.

Subtitles will only be displayed if a subtitle file (.srt or .smi) exists in the same folder as the video file.

The subtitle file must have the same filename as the video file (ex. MyVideo.avi and MyVideo.srt).

10. Mute On / Off

1) Softly touch the display with the stylus during playback to display the video player control window.

2) Click "**Mute** ( )" to turn the sound off. The icon will change to "( )".

Click "**Mute** ( )" to turn the sound back on.

< Note >

. If you adjust the volume when the sound is muted, mute is automatically released.

11. Volume Bar / Navigation Bar

1) Softly touch the screen with the stylus during playback to display the video player control window.

2) Adjust the volume by clicking a point on the volume bar or dragging it to another point.

The new volume number will be displayed on screen.

3) Click a point on the navigation bar. The video will play from that point.

12. Settings / Help

1) Softly touch the screen with the stylus during playback to display the video player control window.

2) Click "**Settings** ( )" to enter the video player settings.

3) After setting the options click "OK" to save the settings.

< Note >

. If you click "**Cancel**", changed settings will not be saved.

. If you make the display brighter, power consumed by the player increases.

< Display >

. LCD Bright: Increase or decrease the brightness of the backlight (0 - 100%).

. Video Settings Brightness: Increase or decrease the brightness of the screen (0 - 100%).

. Contrast: Adjust the video contrast (0 - 100%).

< Playback >

. Menu Hide Time: The menu will fade out after the specified time (3 Seconds, 5 Seconds, 7 Seconds, 10 Seconds).

. After File Ends: Set how the player will react after a video file has ended (Stop Playing, Play Next, Power Off).

. Aspect Ratio: Set the size of the screen (Org. Ratio, Wide Screen, Full Screen, 4:3 ratio).

. Menu Clarity: Set the transparency of the video player control window (30%, 50%, 70%, OFF).

. Privacy Mode: When privacy mode is set to "OK", the screen will go black when a video file is paused.

. Font: Change the font size of the subtitles (12, 14, 16).

< Help >

. Click "**Help** ( )" to get help about the video player.

13. View video player parts

The video player is composed of 5 parts.

Jump to those parts by pressing the tab button on the player, and select an item by using the joystick.

Press the joystick on a selected icon to execute the action.

2. Using the audio player

1. Open / Play audio file

1) Double-click the audio player icon.

2) Click "**Open** ( )" to open the "Audio File Manager".

3) Select a folder from the list on the left and the compatible audio files will be listed on the right. Check the ones that you want to play.

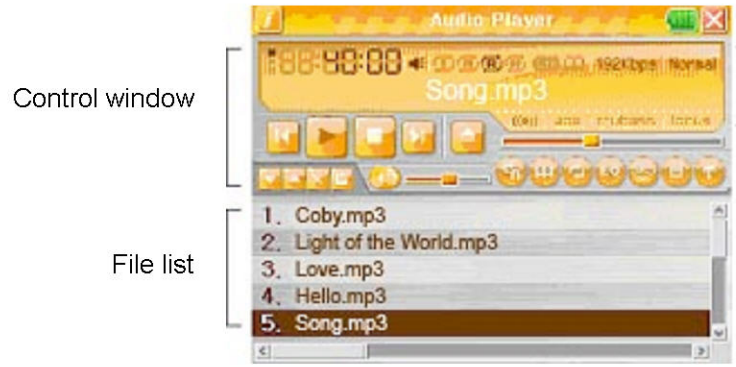
4) If you want to select them all, check the "ALL" box located in the top center of the screen.

5) Click "**Play** ( )" to add the selected files to the playlist. Click "**Play** ( )" to begin playback.

< Note >

. File formats supported: mp3, ogg, wma.

2. Audio player menu screen



Battery indicator Exit Navigation bar

Backward Play Stop Pause Forward Open/Add file

Down Up Delete file Save Mute Volume bar

A-B Repeat Bookmark Repeat EQ

SRS® Audio Enhancement Lyrics On/Off Settings

3. Backward / Forward

1) Click "**Backward/Forward** (/)" during playback to play the previous/next file.

2) If you click and hold the icon during playback, the player will jump backward or forward in 10-second intervals. Release to resume playback from that point. You can use the stylus to click a point on the navigation bar to play the file from that point.

4. Pause

1) Click "**Pause** ( )" during playback to pause the audio file.

2) Click "**Play** ( )", to resume playback.

5. Stop / Exit

1) Click "**Stop** ( )" to stop the audio file.

2) Click "**Exit** ( )" to close the audio player.

3) Click "**Yes**" to exit.

6. Add file

1) Click "**Open** ( )" to enter the "Audio File Manager".

2) Check the files that you want to hear from the music list window.

Uncheck to deselect a file. Check "**ALL**" to select all the files in the music list window..

3) Click "**Play** ( )".

4) If "Delete the Existing Playlist" appears, click "**Yes**" to delete the existing playlist and add the selected files.

Click "**No**" to add the selected files to the existing playlist.

7. Save list

1) Click "**Save** ( )" to save the current playlist.

2) Click "**Yes**" to save the current playlist. If you click "**No**", the playlist will not be saved.

8. Open list

1) Click "**Open** ( )" to enter the "Audio File Manager".

2) Press "**Play** ( )" after selecting ONE playlist.

If an audio file in the playlist has been moved or deleted, the player will simply play the next file when it gets to the moved or deleted file.

< Note >

. A playlist file is saved in ".pls" format.

. Playlist files are saved into the "MyAudio" folder with sequentially created names that start from "Music_001.pls".

. You can change the name of a playlist file by connecting the player to a PC and right-clicking the mouse on it.

. You can save up to 999 lists.

9. A-B Repeat

1) Click "**A-B Repeat** ( )" at the place from which you want to repeat the audio segment

A red dot will appear above the navigation bar indicating the starting point, and the icon will change to "( )" .

2) Click "**A-B Repeat** ( )" at the place where you want to end the repeating video segment, and the A-B Repeat starts.

A green dot will appear above the navigation bar indicating the ending point, and the icon will change to "( )".

3) Click "**A-B Repeat** ( )" to end the A-B repeat and resume normal playback.

10. Bookmark

1) Click and hold "**Bookmark** ( )" during the playback.

2) The bookmark will be created and "Create Bookmark" will appear on screen.

3) Click "**Bookmark** ( )" during playback, and the player will start playing from the place at which the bookmark was set.

< Note >

. You can set only a single bookmark in the audio player mode.

. Click and hold "**Bookmark** ( )" to delete the bookmark. You must delete the bookmark before you can set a new one.

11. Repeat

1) Click "**Repeat** ( )" to change the repeat setting.

Repeat only the current file.

Sequentially repeat all the files in the playlist.

Shuffle and repeat files in the playlist.

Sequentially play all of the files in the playlist once.

12. EQ

1) Click "**EQ** ( )" to change the equalizer setting (NORMAL, ROCK, JAZZ, CLASSICAL, POP)

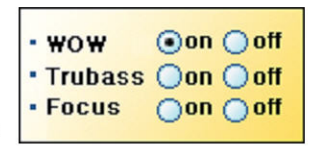
13. SRS® audio enhancement

You can turn on/off SRS® audio enhancement technologies.

1) Click "**SRS** ( )" to display the SRS® pop-up window.

2) Select "WOW On". When WOW® is off, you cannot select "Trubass On" or "Focus On".

TruBass® enhances bass. FOCUS™ repositions the sound to a better position for the listener.



< Note >

. SRS®, WOW®, TruBass®, and FOCUS™ are registered trademarks of SRS Labs, Inc.

14. Delete a file from the playlist

1) Select the file you want to delete.

2) Click "**Delete** ( )". Click "Yes" to delete it from the playlist.

15. Lyrics

1) Click "**Lyrics** ( )" to display lyrics..

< Note >

. The lyrics will be displayed in the playlist window.

. Lyrics will only be displayed for audio files that have lyrics encoded with the LDB Manager (see "LDB Manager").

16. Playlist order (Changing the order in which the files are played back)

1) Select a file in the playlist.

2) Click "**Up/Down** (/)" to move it down or up in the playlist..

This function is available during playback.

17. Mute

1) Click "**Mute** ( )" to turn the sound off. The icon will change to "( )".

Click "**Mute** ( )" to turn the sound back on.

< Note >

. If you adjust the volume when the sound is muted, mute is automatically released.

18. Settings / Help

1) Click "**Settings** ( )" to enter the audio player settings.

2) Click "**OK**" after having set the options, and the settings will be saved.

< Note >

. If you click "**Cancel**", changed settings will not be saved.

< Power Saving>

. Power saving: The LCD will turn off after the time you have set in LCD off Time (ON, OFF).

. LCD off Time: Set the time for the power save mode (10 Seconds, 20 Seconds, 30 Seconds).

. ID3 Tag: Display ID3 Tag information (ON, OFF).

. Sleeping Timer: The player will automatically turn off after the set time (OFF, 10 Minutes, 30 Minutes, 1 Hour, 2 Hours).

. Select Skin: Change the appearance of the audio player (Basic, Big).

. FN Reset: Resets the numbering for saving playlists. The next playlist saved will start at "Music_001.pls". The saved playlists will be overwritten.

< Help >

. Click "**Help** ( )" to get help about the audio player.

19. View audio player parts

The audio player is composed of 6 parts.

Jump to those parts by pressing the tab button on the player, and select an item by using the joystick.

Press the joystick on a selected icon to execute the action.

20. Installing the LDB Manager

You can create, add or edit the song lyrics of audio files using the LDB Manager.

Insert the included CD into your CD-ROM drive, and open the "LDB Manager" folder.

Follow the steps below:

1) Double-click the "i-STATION_LDB Manager Setup.exe".
2) Select a language to install. Click "**OK**".
3) Click "**Next**" to continue.
4) The Licensing Agreement will be presented. Click "**Yes**" to continue after reading it.
5) Select a folder to install the program into. Click "**Next**" to continue.
6) Click "**Next**".
7) Click "Finish" to finish installing.

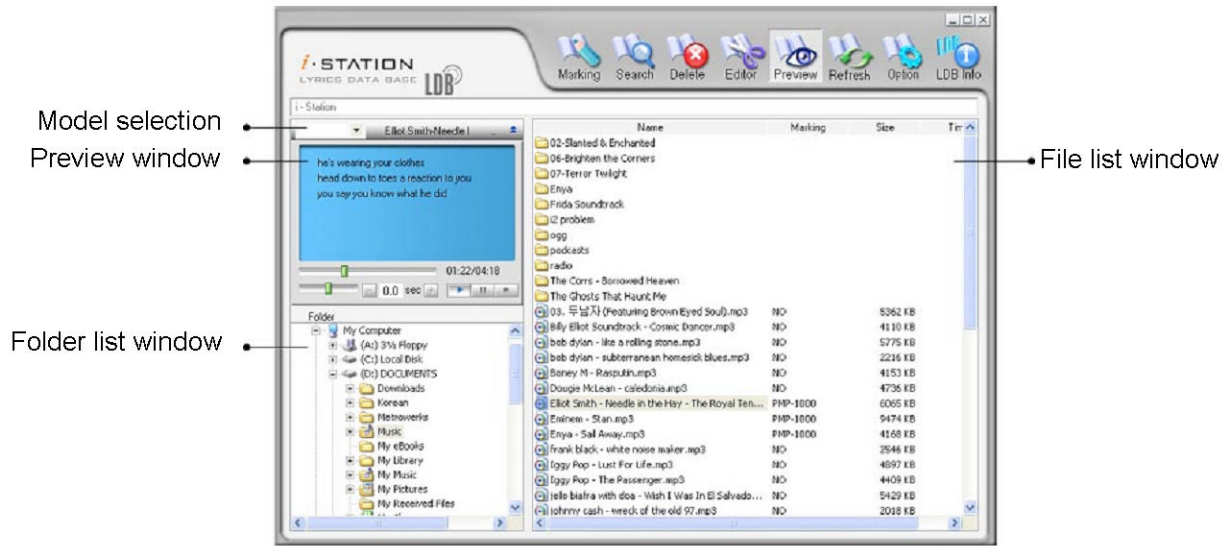
< Note >

. The LDB Manager can connect to an online database to download lyrics. If you wish to use this function, the PC must be connected to the internet.

20-1. LDB Manager

1) Open the "LDB Manager".

"Start → Programs → i-station → LDB Manager".



2) Select "PMP-i2" in the model selection drop down box

.

20-2. Marking

1) Select a folder from the folder list, and the compatible audio files will be displayed in the file list window. Select a file or files from the file list.

1) Click "**Marking**" to automatically encode the lyrics. This will only work for files that have the correct ID3 tag information and a matching entry in the online database.

A message will appear informing you if the lyrics were successfully encoded or not. Click "**OK**".

<Note>

. Files that have a variable bit rate (VBR) will not work with this function.

20-3. Search for Lyrics

1) Select ONE file from the file list, and click "**Search**".

2) A search box will appear. Enter the singer and/or title and click "**SEARCH**".

3) Select one of the files listed in the left window, and click "**Marking**".

Click "**OK**". Click "**CLOSE**" to close the search box.

20-4. Delete Lyrics

1) Select a file whose song lyrics have been entered, and click "Delete

Click "Yes".

20-5. Editor

1) Select a file, and click "**Editor**".

2) Double-click a line of lyrics or a blank line to edit or enter lyrics.

3) Double-Click a position time to edit the timing of a line of lyrics.

4) Click "**Play** (▶)" to play the file. Click "**Set Sync**" to enter the time position at the time that you want the corresponding lyrics to appear.

5) Click "**Marking**" in the upper right corner (under LDB Info) to encode the lyrics.

6) Click "**Editor**" to close the editor.

<Note>

. Follow the steps below to encode lyrics from an ".lrc" file:

1) Select a file, and click "**Editor**".

2) Click "**lrc Open**".

3) Select the .lrc file, and click "**Open**".

4) Click “**Marking**” in the upper right corner (under LDB Info) to encode the lyrics.

5) Click “**Editor**” to close the editor.

20-6. Preview Lyrics

1) Select a file whose song lyrics have been entered, and then click “**Play** (▶)” in the preview window. Click “**Preview**” if the preview window is not open.

3. Photo album

1. Photo Album

1) Double-click the photo album icon.

2) Click "**Expand Folder List Window** ( )" to expand the folder list.

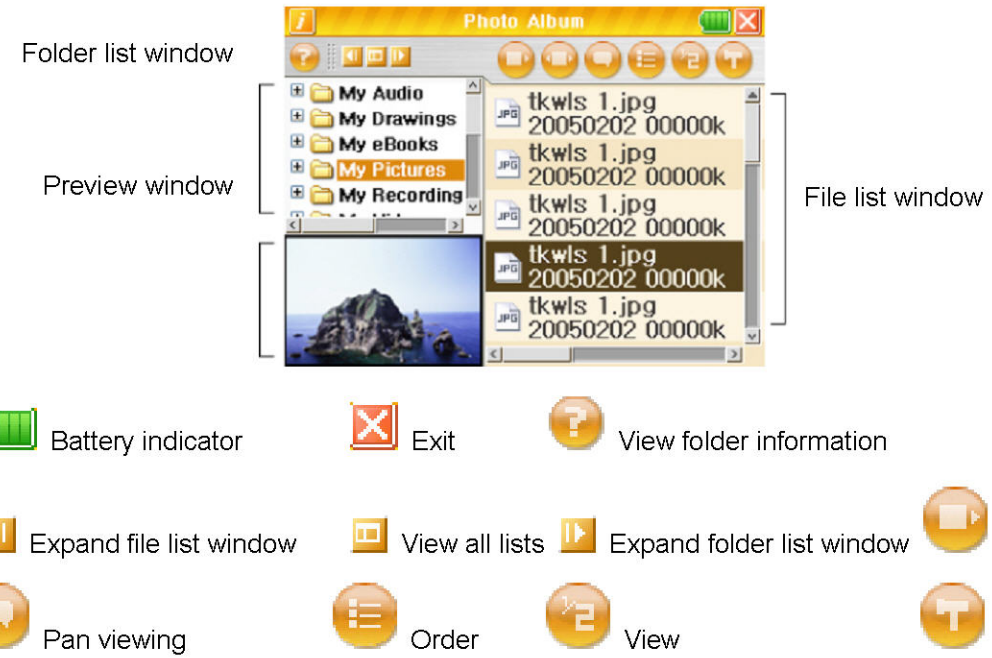
3) Click "**Expand File List Window** ( )" to expand the file list.

4) Click "**View All Lists** ( )" to display both the folder list and the file list.

< Note >

. File formats supported: bmp, jpg, jpeg, png.

2. Photo album menu screen



3. Slide show

1) Click "**Slide Show** ( )" to start a slide show in full screen mode.

The pictures will be shown in the order which they appear in the file list window (see "Order").

You can set the image display time and repeat function in "Settings".

2) Touch the screen with the stylus or press a button on the player while during the slide show to close it.

4. Full screen mode

1) Click "**Full Screen** ( )" to enter the full screen mode.

2) Click "**Backward/Forward** (/)" to display the previous/next file.

When using the joystick, push and hold it to the left/right.

3) Rotate an image 90˚ counter-clockwise or clockwise by clicking "**CCW** (Counter Clockwise)/**CW** (Clockwise)".

4) Click "**Zoom** ( )" to zoom in on the image (1x, 2x, 4x). You can move the zoomed image by clicking the arrows on the edges of the screen. You can also use the joystick.

5) Click "**Control Bar** ( )" to exit the zoom mode. You can also press the "Tab" button.

6) Click "**Exit** ( )" to close the full screen mode.

< Note >

. The control bar will fade out if you do not use it after a certain amount of time (see "Settings"). Click the display or press the joystick to display the control bar.

5. Pan Viewing

1) Click "**Pan Viewing** ( )".

2) Click "**Zoom** ( )" to zoom in on the image (1x, 2x, 4x). You can move (pan) the zoomed image by using the joystick. Press and hold the joystick in a direction to pan the image all the way to that edge. You can also pan the image by clicking the screen and dragging the hand icon.

3) Rotate an image 90˚ counter-clockwise or clockwise by clicking "**CCW** (Counter Clockwise)/**CW** (Clockwise)".

4) When zoomed in on an image, click "**Focus** ( )" to change the area of the image that is displayed.
The order in which the focus shifts is Upper left → right → center.
5) Click "**Backward/Forward** (/)" to display the previous/next file. You can also press the Tab/Enter button.
6) Click "Exit( )" to close the pan viewing mode.

< Note >

. The control bar will fade out if you do not use it after a certain amount of time (see "Settings"). Press the joystick to display the control bar.

. Click "**Tab**" to hide the control bar.

6. Order

1) Click and hold "**Order** ( )" to display a drop down box where you can change the way the files are arranged (Name, Size, Type, Data).
2) Click "**Order** ( )" to switch between normal and reverse ordering of the files.

7. View

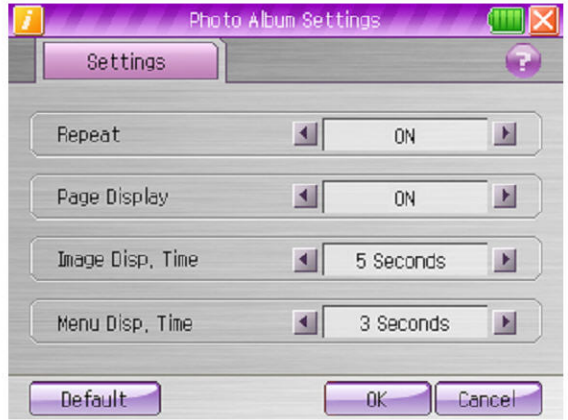
1) Click "**View** (/)" to switch between the two different views.
: Displays the filename, date and size.
: Displays only the filename.

8. Settings / Help

1) Click "**Settings** ( )" to enter the photo album settings.
2) Click "**OK**" after having set the options, and the settings will be saved.

< Note >

. If you click "**Cancel**", changed settings will not be saved.



< Settings >

. Repeat: The slide show will repeat when it ends. (ON, OFF).

. Page Display: Display the current image number and the total number of images during the slide show (ON, OFF).

. Image Disp. Time: Set the amount of time that images in the slide show are displayed (3 Seconds, 5 Seconds, 10 Seconds, 30 Seconds, 50 Seconds, 1 Minute, 3 Minutes, 5 Minutes, 10 Minutes, 30 Minutes, 1 Hour, 1 Day).

. Menu Disp. Time: Set the amount of time that the control bar stays on screen (3 Seconds, 5 Seconds, 7 Seconds, 10 Seconds).

< Help >

. Click "**Help** ( )" to get help about the photo album.

9. View photo album parts

The photo album is composed of 3 parts.

Jump to those parts by pressing the tab button on the player, and select an item by using the joystick.

Press the joystick on a selected icon to execute the action.

4. Dictionary

1. Using the dictionary

1) Double-click the dictionary icon.

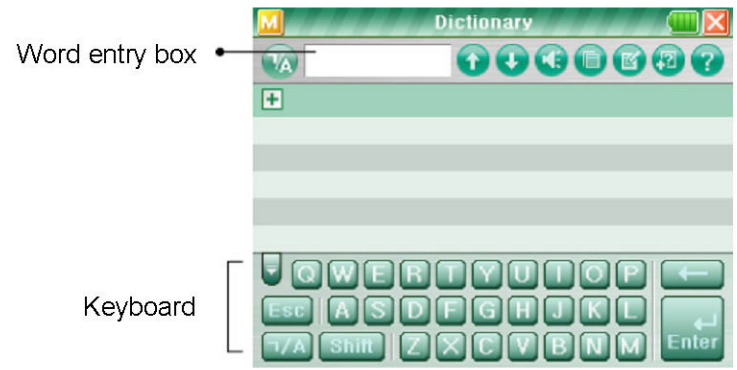
2) Click "**Open Keyboard** ( )" on the lower left to open the keyboard.

3) Click the letters on the keyboard to enter a word. Click "A/A" or "Esc" to clear the entry box.

4) Click "**Enter** ( )" to look up the word. If there is no entry for the word, "No Word Found" will appear, and the last word that was successfully looked up will be displayed.

5) Click "**Exit** ( )" to close the dictionary. Click "**Yes**".

2. Dictionary menu screen



Battery indicator Exit Up Down

Pronunciation History Wordbook

Help / Open/Close keyboard Backspace Enter

3. History

1) Click "**History** ( )" to display the list of words that you have successfully looked up.
2) Select a word from the list to display the definition.
3) Select one of the words and click "**Delete** ( )" to delete it from the list.
4) Click "**Delete All** ( )" to delete all of the words from the list.
5) Click "**History** ( )" to close the list.

< Note >

. 100 words can be saved in the history.

4. Wordbook

You can save words to the wordbook so that you can easily look them up again.

1) Click the box next to the word to add it to the wordbook. Click "**Yes**".
2) Click "**Wordbook** ( )" to display the list of words saved in the wordbook.
2) Select a word from the list to display the definition.
3) Select one of the words and click "**Delete** ( )" to delete it from the list.
4) Click "**Delete All** ( )" to delete all of the words from the list.
5) Click "**Wordbook** ( )" to close the list.

5. Pronunciation

1) Click "**Pronunciation** ( )" to hear the pronunciation of the word.

<Note>

. Adjust the volume by using the volume button on the player.

6. Settings / Help

1) Click "**Settings** ( )" to enter the dictionary settings.

2) Click "**OK**" after having set the options, and the settings will be saved.

< Note >

. If you click "**Cancel**", changed settings will not be saved.

< Settings >

. Search for similar words: When you enter letters in the entry box, a list of words that start with those letters will be displayed. (Turn on, Turn off).

. Search from dictionary: This player only comes with an English-English dictionary.

. Font size: Set the size of the text (12, 14, 16).

< Help >

. Click "**Help** ( )" to get help about the dictionary.

7. View dictionary parts

The dictionary is composed of 4 parts.

Jump to those parts by pressing the tab button on the player, and select an item by using the joystick.

Press the joystick on a selected icon to execute the action.

5. Game

1) Double-click the game icon.

2) Double-click the game that you want to play.

3) Once the game starts, select help to learn how to play.

< Note >

. Use the joystick (NOT the stylus) to play games.

6. File Manager

1. Start / Close file manager

1) Double-click the file manger icon.

2) Click "**Exit** ( )" to close the file manager. Click "**Yes**".

2. File manager menu screen

Folder list window

File list window

Battery indicator

Exit

View folder information

Expand file list window

View all lists

Expand folder list window

Play

Delete file

Order

View

3. Zoom in window

1) Click "**Expand Folder List Window** ( )" to expand the folder list.

2) Click "**Expand File List Window** ( )" to expand the file list.

3) Click "**View All Lists** ( )" to display both the folder list and the file list.

4. Execute selected file

1) Select a file from the file list window.

2) Click "**Play** ( )" to open the file.

5. Delete file

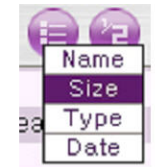
1) Select a file from the file list window.

2) Click "**Delete** ( )". Click "**Yes**".

6. Order

1) Click and hold "**Order** ( )" to display a drop down box where you can change the way the files are arranged (Name, Size, Type, Data).

2) Click "**Order** ( )" to switch between normal and reverse ordering of the files.



7. View

1) Click "**View** (/)" to switch between the two different views.

: Displays the filename, date and size.

: Displays only the filename.

7. E-Book

1. Start / Close E-Book

1) Click ">>" on the main screen to display more icons. Double-click the E-Book icon.

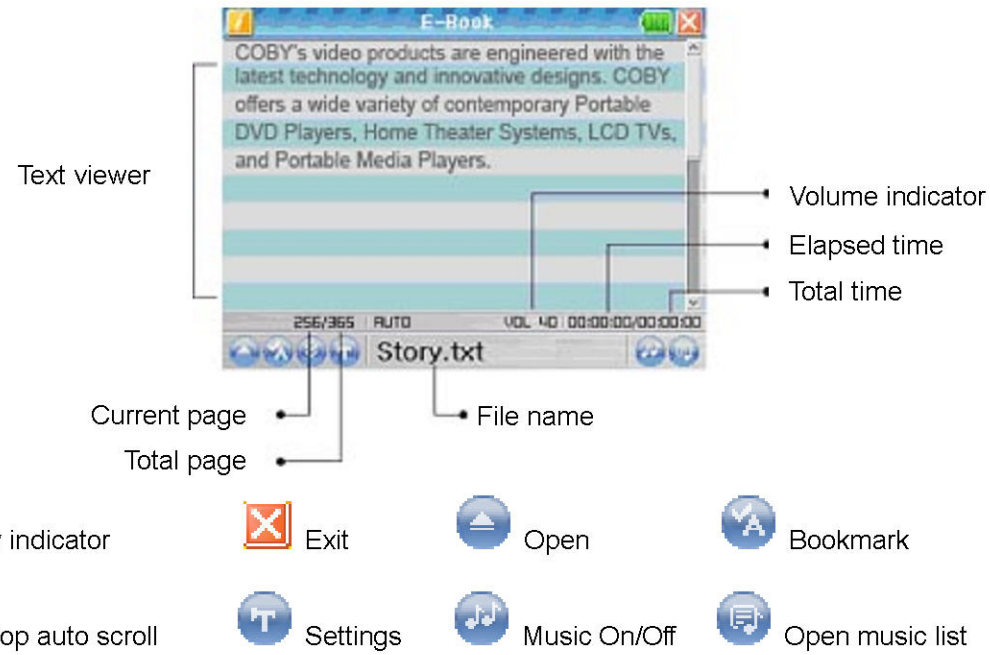
2) Click "**Exit** ( )" to close the E-book. Click "**Yes**".

< Note >

. The maximum size of a document is to 2MB.

. The only file format compatible with the E-book is ".txt" (".doc" files are not supported).

2. Menu screen



3. Open a text file

1) Click "**Open** ( )" to open the E-Book File Manager.

2) Select a folder in the folder list on the left of the screen to display the text files in that folder.

3) Select a file that you want to open from the file list on the right of the screen.

4) Click "**Play** ( )" to open the selected file.

5) You can go to the previous/next page by pushing the joystick up/down or using the scroll bar on the right.

You can also click a point above/below the center of the screen to go to the previous/next page.

4. View text while listening to music

1) Click "**Open Music List** ( )" to open the E-book file manager.

2) Select a playlist file (pls).

3) Click "**Play** ( )" to open the playlist and return to the E-book.

4) Click "**Music On/Off** ( )" to play the music.

5) Press the joystick to pause/play the music.

6) Push the joystick to the left/right to go to the previous/next audio file. Push and hold the joystick to the left/right to fast-backward/fast-forward.

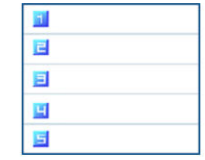
< Note >

. Individual audio files cannot be selected in the E-book. Only playlists can be opened.

5. Bookmark setting

1) Click and hold "**Bookmark** ( )". Click "**Yes**" to set a bookmark.

2) Click the bookmark number that you want to encode, and the bookmark will be set.



< Note >

. You can encode up to 5 bookmarks.

6. Bookmark scanning

1) Click "**Bookmark** ( )" to display the bookmark list.

2) Click a bookmark number that you want to go to.

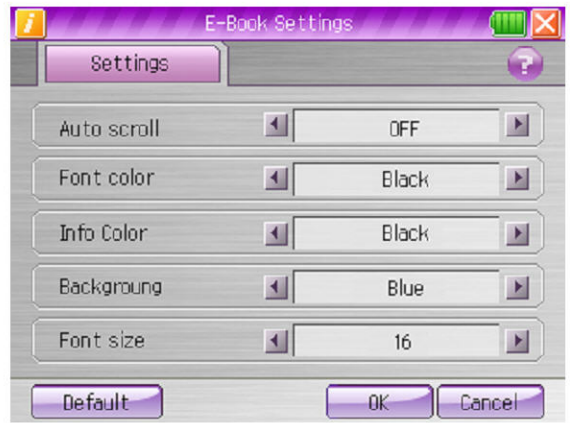
7. Settings / Help

1) Click "**Settings**( )" to enter the E-book settings.

2) Click "**OK**" after having set the options, and the settings will be saved.

< Note >

. If you click "**Cancel**", changed settings will not be saved.



< Setting >

. Auto scroll: Set the amount of time the E-book will display a page when auto scroll is turned on (OFF, 5 Seconds, 8 Seconds,10 Seconds, 13 Seconds,15 Seconds,18 Seconds,25 Seconds).

. Font color: Set the color of the text (Black, Violet, Deep Blue, Purple, Gray, Green, Orange, White).

. Info color: Set the color of the informative text (Black, Violet, Deep Blue, Purple, Gray, Green, Orange, White).

. Background: Set the background color (Blue, Light Green, Gray, Orange).

< Help >

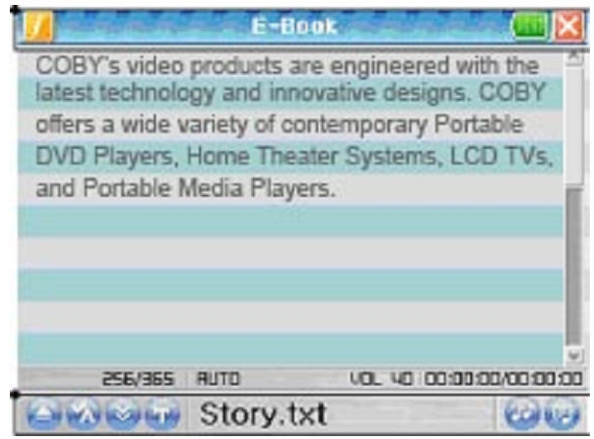
. Click "**Help** ( )" to get help about the E-book.

8. View E-Book parts

The E-book is composed of 2 parts.

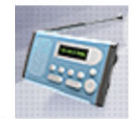
Jump to those parts by pressing the tab button on the player, and select an item by using the joystick.

Press the joystick on a selected icon to execute the action.


E-Book
COBY's video products are engineered with the latest technology and innovative designs. COBY offers a wide variety of contemporary Portable DVD Players, Home Theater Systems, LCD TVs, and Portable Media Players.
256/365
AUTO
VOL 40
00:00:00/00:00:00
Story.txt

8. FM Radio

1. Start / Close radio



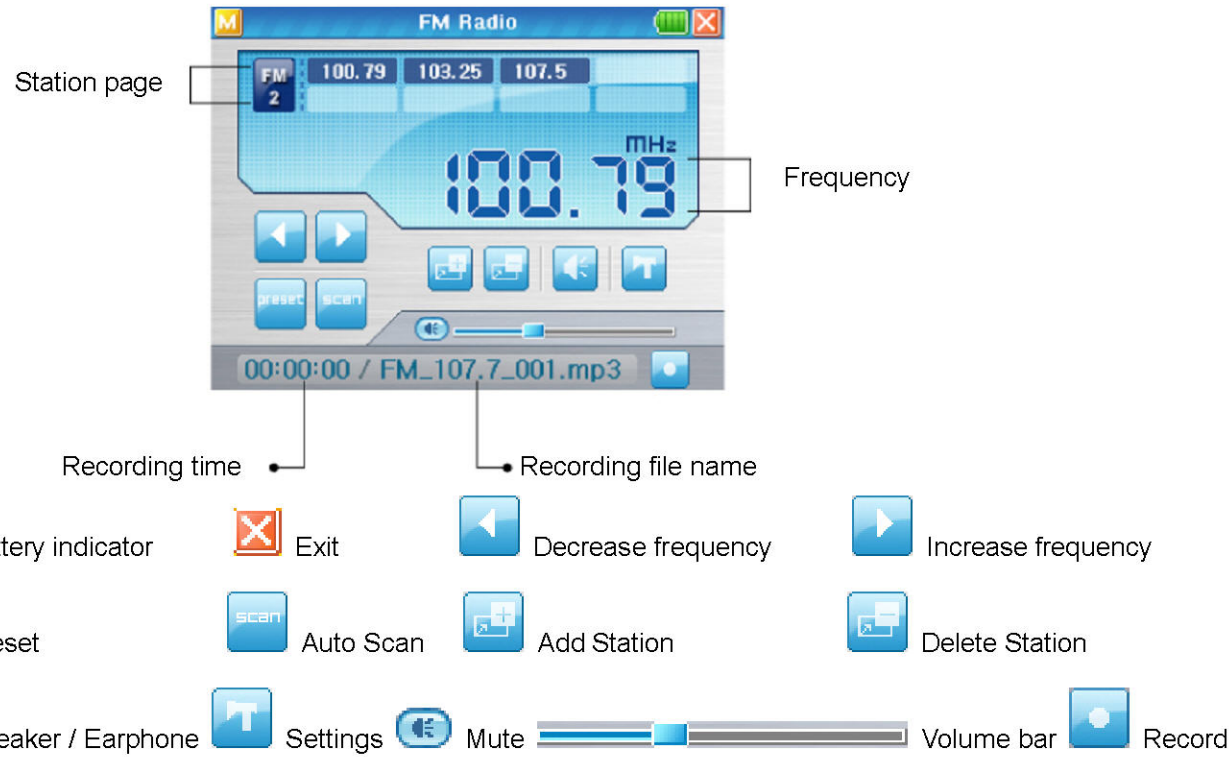
1) Click ">>" on the main screen to display more icons. Double-click the FM radio icon.

2) Click "**Exit** ( )" to close the FM radio. Click "**Yes**".

< Note >

. In the FM radio mode, the earphones function as an antenna. Earphones must be connected to the player to listen to the radio. If earphones are not connected, "No Earphone Antenna" will appear.

2. Menu screen



3. Manual channel setting

1) Click "**Decrease/Increase Frequency** (/)" to decrease/increase the frequency.

(When using the joystick, push it up/down).

2) Click and hold "**Decrease/Increase Frequency** (/)" to go to the previous/next station (seek).

(When using the joystick, push and hold it up/down).

4. Auto Scan

1) Click "**SCAN** ( )" to start the auto scan.

2) Stations that are found are saved to the presets and displayed at the top of the screen.

Previously saved stations will be replaced.

3) Click "**STOP** ( )" to stop the auto scan.

< Note >

. You can save up to 16 stations (8 stations per station page).

. Click "**Station Page** ( )" to display the other station page.

. Click a station to listen to it.

5. Add / Delete channel

1) Tune to a station that you want to save as a preset.

2) Click "**Add Station** ( )" to save it to the first empty slot on the current station page.

3) Tune to a station that you want to delete.

4) Click "**Delete Station** ( )" to delete it.

< Note >

. When you click "**Add Station**" and there are no empty preset memory slots, "Full of presets" will appear.

Delete one or more of the presets to free up a memory slot.

6. PRESET

1) Click "**Preset** ( )" to go to the preset mode. "preset" will be displayed.

2) Click "**Decrease/Increase Frequency** (/)" to go to the previous/next station saved in the preset memory.

7. Mute

1) Click "**Mute** ( )" to turn the sound off. The icon will change to "( )".

2) Click "**Mute** ( )" to turn the sound back on.

8. Speaker / Earphone

1) Click "**Speaker / Earphone** ( )" to switch the audio output from earphones to speaker..

9. Record Radio

1) Click "**Record** ( )" to start recording the current station.

2) Click "**Yes**". The icon will change to "Stop ( )".

You can see the recording time and the file name on the bottom of the screen.

3) Click "**Stop** ( )" to stop recording.

< Note >

. Recorded files are saved into the "MyRecordings" folder with sequentially created names that start from "FM_REC_001.mp3".

. You can play them back by using the audio player or voice recorder.

10. Settings / Help

1) Click "**Settings** ( )" to enter the FM radio settings.

2) Click "**OK**" after having set the options, and the settings will be saved.

< Note >

. If you click "**Cancel**", changed settings will not be saved.

< Setting >

. Region: Set radio reception zone(U.S. / Asia, Japan, Europe)

. Scan Sensitivity: Set the sensitivity of the auto scan function (High, Medium, Low).

When it is set it to “High”, the player will only pick up very strong signals.

. Power Saving: Set the amount of time before the display automatically turns off (OFF, 10 Seconds, 30 Seconds, 1 Minute).

. Sleep Timer: Set the amount of time before the player automatically turns off (OFF, 10 Minutes, 30 Minutes, 1 Hour, 2 Hours).

< Help >

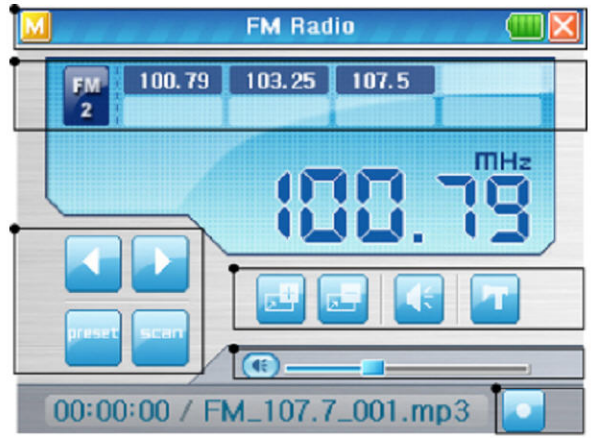
. Click “**Help** ( )” to get help about the FM radio.

11. View FM Radio Parts

The dictionary is composed of 6 parts.

Jump to those parts by pressing the tab button on the player, and select an item by using the joystick.

Press the joystick on a selected icon to execute the action.



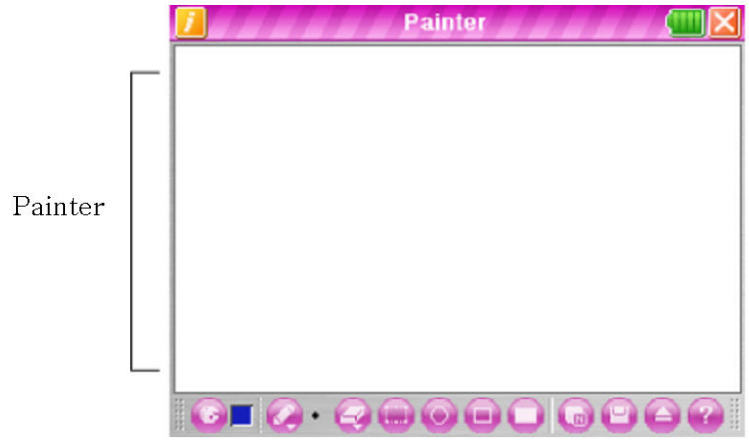
9. Painter

1. Start / Close Painter

1) Click “>>” on the main screen to display more icons. Double-click the Painter icon.

2) Click “**Exit** ( )” to close the painter. Click “**Yes**”.

2. Menu screen



Battery indicator Exit Color Pen Erase

Select Tool Circle Quadrilateral Fill

New Save Open Help

3. Drawing

You can use the stylus to draw.

1) Click "**Color** ( )" to display 36 colors. Click a color to set the pen color.

2) Click "**Pen** ( )" to select the line thickness. Click and drag to draw lines.

3) Click "**Erase** ( )" to display eraser menu. You can drag it on the display with the stylus to delete a part of the drawing.

: Click this icon to select the eraser tool. Click and drag to erase.

: Click this icon to delete the drawing

4) Click "**Select Tool** ( )". Click and drag to select an area. You can move the selected area by clicking and dragging it.

5) Click "**Circle** ( )" or "Quadrilateral ( )". Click and drag to draw circles or quadrilaterals.

6) Click "**Fill** ( )" to draw circles or quadrilaterals that are filled in.

4. Save a Drawing

1) Click "**Save** ( )" to save a drawing.

< Note >

. Drawing files are saved into the "MyDrawings" folder with sequentially created names that start from "Paint_001.bmp".

5. Open a Drawing

1) Click "**Open** ( )" to open the Painter File Manager.

2) Select a folder in the folder list on the left of the screen to display the ".bmp" files in that folder.

3) Select a file that you want to open from the file list on the right of the screen.

4) Click "**Play** ( )" to open the selected file.

< Note >

. You can use the painter to open ".bmp" files that were not created with the painter (ex. Picture files that you have copied to the player.

. You can use the painter to open ".bmp" files that were not created with the painter (ex. Picture files that you have copied to the player.

. The canvas size of the painter is about 315 x 190 pixels. If you open a ".bmp" file that is larger than this, the top left part of the image will be displayed.

6. New File

1) Click "**New File** ( )" to open a new file.

"Want to save" will appear. Click "**Yes**" to save and start a new file. Click "**No**" to open a new file without saving the current file.

7. Help

Click "**Help** ( )" to get help about the Painter.

10. Recording

1. Start / Close recording

1) Click “>>” on the main screen to display more icons. Double-click the Record icon.

2) Click “**Exit** ( )” to close the painter. Click “**Yes**”.

2. Menu screen

Battery indicator Exit Record Stop Delete

Play Stop Backward Forward Mute

Volume bar Mode Open Settings

3. Record

1) Click "**Record** ( )" to start recording. The "Record" icon will change to "**Pause** ( )".

2) Click "**Pause** ( )" to pause the recording. Click "**Record** ( )" to resume recording.

3) Click "**Stop** ( )" to stop the recording.

< Note >

. Recorded files are saved into the "MyRecordings" folder with sequentially created names that start from "voice_rec001.mp3".

. The effective microphone distance for recording is about 1 foot.

4. Open / Play recording files

1) Click "**Open** ( )" to open the Recorder File Manager.

2) Select a folder in the folder list on the left of the screen to display the ".mp3" files in that folder.

3) Select a file that you want to open from the file list on the right of the screen.

4) Click "**Play** ( )" to open the selected file. Click "**Play** ( )" start playback.

5) Click "**Pause** ( )" during playback to pause the file. Click "Play ( )" to resume playback.

6) Click "**Backward/Forward** (/)" to fast backward/forward. Click again to resume playback.

6) Click "**Stop** ( )" to stop playback.

5. Recording mode setting

1) Click "**Mode**( )" to select the recording quality (LP, SP, HQ).

6. Mute

1) Click "**Mute** ( )" to turn the sound off. The icon will change to "( )".

2) Click "**Mute** ( )" to turn the sound back on.

7. Volume

1) Click a point on the volume bar or use the volume buttons on the player to adjust the volume.

10. Settings / Help

1) Click "**Settings** ( )" to enter the voice recorder settings.

2) Click "**OK**" after having set the options, and the settings will be saved.

< Note >

. If you click "**Cancel**", changed settings will not be saved.

< Rec settings >

. Rec Sensitivity: Set the sensitivity of the microphone for recording (Low, High).

. VOR settings: Set voice activation. (ON, Off).

When the player is recording, it will automatically pause the recording when the microphone does not detect sound. It will automatically resume recording when the microphone detects sound.

. MAX Rec Time: Set the maximum recording time (OFF, 30 minutes, 1 hour, 2 hours, 3 hours, 5 hours, 24 hours).

. FN Reset: Resets the numbering for recorded file names. The next recorded file name will start at "voice_rec001.pls". The recorded files will be overwritten.

< Help >

Click "**Help**( )" to get help about the Voice Recorder.

9. View recording parts

The voice recorder is composed of 4 parts.

Jump to those parts by pressing the tab button on the player, and select an item by using the joystick.

Press the joystick on a selected icon to execute the action.

11. Calculator

1. Using the calculator

1) Click ">>" on the main screen to display more icons. Double-click the Calculator icon.

2) Use the stylus to use the calculator in the same way you use a regular calculator.

3) Click "**Exit** ( )" to close the Calculator. Click "**Yes**".

2. Engineering calculator

1) Using ( )

The function of ( ) is used to prioritize the four fundamental operations (addition, subtraction, multiplication, division).

You can omit the multiplication sign when doing multiplication.

Ex) 9*(2+3) → 9(2+3)

2) Engineering notation

Answers between 0.001 and 100,000,000 (10^8) will be displayed in general notation.

Answers less than 0.001 and greater than 100,000,000 (10^8) will be displayed in engineering notation.

Ex) 10,000,000,000 (10^10) will be displayed as 1.0e10

3) Negative number notation

The subtraction sign (-) is used in the same way as the negative sign (-). Use parentheses "( )" when subtracting negative numbers.

Ex) When subtracting -1 from 10, enter it as follows: 10-(-)1

4) Using trigonometrical functions (sin, cos, tan)

When you are working with trigonometrical functions, the unit of the angle is "degree" and the symbol is "°".

5) Using logarithmic/exponential functions (ln, log)

"ln" refers to natural logarithms which use "*e*" ($e \approx 2.718281828$) as the base. "log" refers to common logarithms with base "10".

Just as you can omit the multiplication sign when doing multiplication, you can do so when using the logarithmic functions. Ex) 4*log2 → 4log2

< Note >

. Click "**Fn**" to switch "ln" to "*e*^" and "log" to "10^".

When using "*e*^", enter the number first.

. Click "**Fn**" to switch "x^y" to "*e*".

6) Probability

Click "**Fn**" to change "√" to "n!".

Click "**Fn**" to change "1/x" to "nPr".

Click "**Fn**" to change "x^2" to "nCr".

7) Memory function

MS: (memory save) Save the number in the entry box. Entries that contain operators, parentheses, trigonometric functions, etc. cannot be saved.

MR: (memory recall) Enter the saved number in the entry box.

MC: (memory clear) Delete the saved number from the memory.

< Note >

You must select "Scientific" in "Settings" before you can use the trigonometric, exponential, logarithmic, and probability functions.

3. Settings / Help

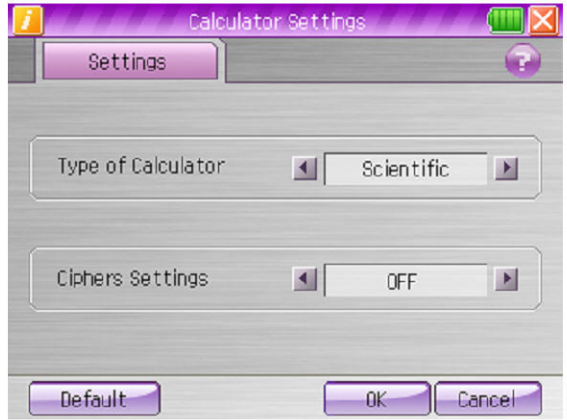
1) Click "**Settings** (

)" to enter the calculator settings.

2) Click "**OK**" after having set the options, and the settings will be saved.

< Note >

. If you click "**Cancel**", changed settings will not be saved.



< Setting >

. Type of Calculator: Select a calculator type (Scientific, Normal).

. Ciphers Settings: Change the way numbers are parsed with a "," (OFF, 1,000, 1,0000).

12. Settings & Help

1. Start / Close Settings

1) Click “>>” on the main screen to display more icons. Double-click the settings icon.

2) Click “**Exit** ( )” to close the settings. Click “**Yes**”

< Note >

. Click “**OK**” after having set the options, and the settings will be saved.

. If you click “**Cancel**”, changed settings will not be saved.

2. Settings & Help

< Power/LED >

. Auto Power Off: Set the amount of time before the player automatically turns off (Off, 10 Minutes, 30 Minutes, 1 Hour).

. Power saving: Set the amount of time before the display automatically turns off (Off, 10 Seconds, 30 Seconds, 1 Hour)

. Key LED: Set the amount of time before the joystick LED automatically turns off (Off, 3 Seconds, 5 Seconds, 10 Seconds).

. Remote Controller Light: This option does not apply to this model.

< A/V >

. LCD Brightness: Increase or decrease the LCD brightness.

. TV Types: Change the TV system (NTSC, PAL).

. LCD Diversion: Set the amount of time the display remains on while the player is connected to a TV. The display on the player will turn on when you click the screen and the display will turn off (Off, 3 Seconds, 5 Seconds, 10 Seconds).

. AC3 Setting: Set the audio output for files with AC3 formatted audio (2 channel, 5.1 channel).

. EQ mode: Change the equalizer setting (Normal, Rock, Pop, Jazz, Classic).

< Other >

. Booting Image: Change the start up image (Org. Image, User image)

1) Change the start up image by selecting “User-image”.

2) Rename an image file with a 320 x 240 pixel resolution to “start.jpg”. Create a folder named “image” in the root directory of the player.

3) Copy the “start.jpg” image to the “image” folder. When you re-boot the player, you will see the new start up image.

. Main UI: Only “Normal Mode” is available on this model.

. Language: Select language (English, Korean, Dutch, French, Spanish, Italian, Chinese, Japanese)

. USB Update: Update the USB chip (see Page 23).

< Calibration >

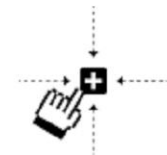
If the place you click is different from the one the player recognizes, the player needs to be recalibrated.

1) Select “**Other**” at Settings.

2) Click “**Calib.**” to enter the calibration screen.

3) Move “+” by clicking “+”.

If the “+” icon is located at the center, click it to close the calibration screen.

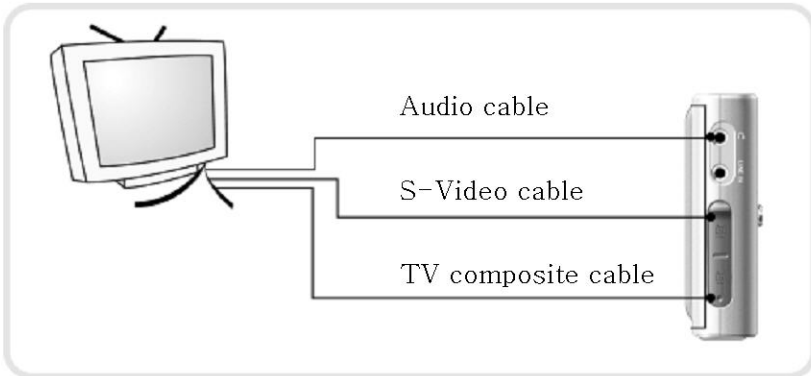


14. Connecting the Player to the TV

Use the Audio cable and the TV composite cable or S-Video cable when connecting the player to the TV.

1. Connecting to the TV

Set the TV to Line-in, Input1, A/V IN, AUX, etc.



※ The color of cable jacks which are connected to the TV is as follows:

Audio cable: red, white

S-video cable: black

TV composite cable: yellow or orange

< Note >

. Connect only ONE of the video cables (S-Video cable, TV composite cable),

. It is recommended that you use the player buttons or the wireless remote control rather than the stylus because the display of the player will be turned off.

2. Troubleshooting

Check the following cases if you have trouble when the player is connected to a TV.

1. The TV channel may not have been properly set.

The TV must be set to the proper input mode. Select Line-in, Input, A/V IN, AUX, etc. If you are still having difficulty, consult your TV instruction manual or the TV manufacturer.

2. The TV system may have been improperly set.

The player does not display images properly if the incorrect TV system is selected. NTSC is for USA.

3. A cable may have been connected to the wrong jack.

Check that all cables are connected to the proper jacks.

3. Video player options

Functions such as “Stretch”, “Shrink”, or “Screen Layout” become available during video playback when connected to a TV.

1) Press the tab button on the player or the menu button on the remote control to enter “Stretch/Shrink”

The video will be paused and you can stretch/shrink the display. Whenever you click the tab button, it will sequentially enter the following modes: Stretch/Shrink > Screen Layout > Subtitle Position.

2) Use the joystick or the four-way buttons on the remote control to stretch/shrink the screen.

Left: Horizontally shrink the display

Right: Horizontally stretch the display

Up: Vertically shrink the display

Down: Vertically shrink the display

The screen aspect ratio is limited to a maximum of 640x457 and a minimum of 64x64.

3) Push the joystick or press the SEL button on the remote control to finish setting.

4) Press the tab button or the menu button on the remote control again to enter the screen layout mode.

5) Use the joystick or the four-way buttons on the remote control to change the position of the display.

6) Press the tab button or the menu button on the remote control again to enter the subtitle position mode.

7) Use the joystick or the four-way buttons on the remote control to change the position of the subtitles.

Miscellaneous

1. FAQs

If you are experiencing difficulty with the player please check the following cases below, before contacting technical support.

1. The player will not turn on.

Check if the battery has been completely discharged. If so, recharge it for over 4 hours and try turning it on again.

2. The joystick and buttons don't work.

Check if the hold key is switched on. If so, switch it off.

3. You can't adjust the volume with the Volume buttons.

Check if the hold key is switched on. If so, switch it off.

4. Video files cannot be played back.

Try to play them on the PC first. If you still cannot play them back, they may have been damaged.

If they can be played back on the PC, check if their file formats and bit rates are supported by the player.

5. Video files played back by the player cannot be fast backward/forward. A-B Repeat does not work.

The video files may not contain timing information. Fast backward/forward will not work on the PC, either.

6. You can see nothing on the screen when playing back video files, although you can hear from the player.

Try to play them on the PC first. If you still cannot play them back, they may have been damaged.

If they can be played back on the PC, check if their file formats and bit rates are supported by the player.

7. The audio player cannot play back audio files.

Try to play them on the PC first. If you still cannot play them back, they may have been damaged.

If they can be played back on the PC, check if their file formats and bit rates are supported by the player.

8. No sound from the speaker or earphones.

Check if the volume has been set to "0". If it isn't, check if the earphones have been unplugged.

9. No sound in the FM Radio mode.

Check if the earphones that function as an antenna for the player have been unplugged, or if the speaker toggle icon has been switched to the earphones mode.

10. You cannot view files in the Photo Album mode.

Check if the image file formats are ".jpg", ".bmp" or ".png". If so, check if their sizes are too large to open them.

11. You cannot hear the pronunciation when using the dictionary.

Not all entries in the dictionary have pronunciations.

2. Specifications

1. Basic

. Size (dimension) / weight: 4.84 x 3.02 x 0.85mm / 8.68oz. (battery included)

. Product type: Plug & Play (removable mass storage device)

. Touch screen: Easy to use/MS windows-like interface

. USB download: USB 2.0 high speed, 18MByte/sec

. HDD memory: 20GB (Actual storage capacity: 18.6GB)

. Battery: Lithium Polymer/2,700mAh

. Playback time (based on the standard-type battery): Video – 7 hours(resolution: 320X240/30frame), Audio – 13 . hours (LCD off)

. Caption available: SMI/SRT (all kinds of language supported)

. Operating temperature: 41°F - 113°F

2. Video

. File formats supported in the video mode: DivX 3.11 - 5.XX, Xvid, MPEG1/2/4(Provided that, such file formats as ASF or WMV need to be converted with the converting program.)

. LCD: 3.5'', 320x240 pixels, 260,000 colors

. Frame rate: 30 frames per second

. Bit rate: 8Mbps (720x480, 30fps)

3. Audio

. File formats supported in the audio mode: MP3, WMA, OGG(up to Q10), AC3, AAC

. Channels: 5.1 channel stereo

. Frequency bandwidth: 20Hz ~ 20KHz

. Output: 70mW(35mW + 35mW)

. Signal to noise ratio: more than 95dB

. EQ: Normal, Classic, Rock, Jazz, Pop

. Sound effect: 3D SRS WOW, TruBass, FOCUS

. Total Harmonic Distortion (THD): <0.1 %

4. Photo

. File formats supported in the photo mode: jpg, bmp, png

5. FM Radio

. Frequency bandwidth: 76~108 MHz

. FM recording file format: MP3, 128kbps

. Frequency: Auto scan(up to 16 channels supported)/regional frequency bandwidths all over the world can be picked up.

6. Dictionary

. Type: English-English dictionary

. Feature: a native speaker's pronunciation

7. TV out support

. Type: NTSC / PAL

. Form: CVBS / S-Video

8. Voice recording

. File format: MP3

. Maximum recording time: 250hrs.(based on 20GB)

. Bit rate: 128Kbps